

2018 BMW i3 (I01) - North America

Item	Wire Color	Polarity	Wire Location
12 Volts	Red/Blue (40A)	+	BDC below passenger dash, black 54 pin plug (3B), pin 33
Ground	(chassis ground)		
Ignition	Green/Yellow (for ignition sense only)	+	BDC below passenger dash, black 54 pin plug (3B), pin 20
PTS 1	Blue	-	BDC below passenger dash, white 54 pin plug (7B), pin 45
PTS 2	Yellow	-	BDC below passenger dash, white 54 pin plug (7B), pin 49
CAN Bus High	Yellow (K CAN)	Data	BDC below passenger dash, black 54 pin plug (8B), pin 50
CAN Bus Low	Blue (K CAN)	Data	BDC below passenger dash, black 54 pin plug (8B), pin 49
CAN Bus High 2	Gray (Diagnostic CAN)	Data	OBD-Data Link Connector, 16 pin plug, pin 6
CAN Bus Low 2	Blue (Diagnostic CAN)	Data	OBD-Data Link Connector, 16 pin plug, pin 14
OBD 12 Volts	Red/Blue (7.5A)	+	OBD-Data Link Connector, 16 pin plug, pin 16
OBD Ground	Brown/White	-	OBD-Data Link Connector, 16 pin plug, pin 4
IMMO Antenna	(immobilizer antenna ring is in steering column)		
Keyless Data	Brown (LIN Bus)	Data	BDC below passenger dash, white 54 pin plug (4B), pin 15
Power Lock	Blue	- Resistor	BDC below passenger dash, black 42 pin plug (2B), pin 28
Power Unlock	(same as power lock)	- Resistor	
Lock Motor	White or Black	Reverse	BDC below passenger dash, white 54 pin plug (4B), pin 30 or 20
Driver Unlock Motor	Blue/Violet	Reverse	BDC below passenger dash, white 54 pin plug (4B), pin 29
Passenger Unlock Motor	Blue	Reverse	BDC below passenger dash, white 54 pin plug (4B), pin 28
Factory Alarm Arm	(factory remote only)		
Factory Alarm Disarm	(proximity key and push button)		
Parking Lights	Yellow (LF); Yellow (RF); Blue/Violet or Blue/White (LR); Blue/Violet (RR)	+	BDC below passenger dash, black 54 pin plug (3B), pin 52 (LF); pin 40 (RF); pin 54 (LR); black 42 pin plug (5B), pin 34 (RR)
Parking Lights -	(LIN Bus)		
Hazards	Blue	-	BDC below passenger dash, white 54 pin plug (7B), pin 31
Turn Signal (Left)	Blue/Green (LF); Black/Yellow (LR)	+	BDC below passenger dash, black 54 pin plug (3B), pin 48 (LF); black 42 pin plug (5B), pin 19 (LR)
Turn Signal (Right)	Blue/Brown (RF); Black/Gray (RR)	+	BDC below passenger dash, black 54 pin plug (3B), pin 36 (RF); black 42 pin plug (5B), pin 11 (RR)
Headlight	White/Green (L); White/Blue (R) (high beams)	+	BDC below passenger dash, black 42 pin plug (2B), pin 26 (L); black 54 pin plug (3B), pin 34 (R)
AutoLights	(LIN Bus)		
Reverse Light	Violet	+	BDC below passenger dash, black 42 pin plug (5B), pin 21
Left Front Door Trigger	Gray	-	BDC below passenger dash, black 42 pin plug (2B), pin 30
Right Front Door Trigger	Black	-	BDC below passenger dash, black 42 pin plug (2B), pin 31
Left Rear Door Trigger	Violet	-	BDC below passenger dash, black 42 pin plug (2B), pin 38

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Right Rear Door Trigger	Orange	-	BDC below passenger dash, black 42 pin plug (2B), pin 39
Dome Light	Red/Blue (basic version); (LIN Bus - high version)	+	BDC below passenger dash, black 42 pin plug (2B), pin 42
Trunk/Hatch Pin	Blue or Gray	- N.C.	BDC below passenger dash, black 54 pin plug (6B), pin 8
Hood Pin	Blue	-	BDC below passenger dash, black 42 pin plug (2B), pin 40
Trunk/Hatch Release	Red (trunk); Yellow/Blue (hood)	-	BDC below passenger dash, black 42 pin plug (2B), pin 37 (trunk); black 54 pin plug (6B), pin 9 (hood)
Trunk Release Motor	Gray/Green (trunk); Brown/Red (hood)	Reverse	BDC below passenger dash, black 54 pin plug (6B), pin 6 (trunk); pin 5 (hood)
Fuel Door Release	Red/Blue or Yellow (range extender)	-	Refuelling Button in driver kick, 4 pin plug, pin 4 or 3
Fuel Pump	Red/Blue (range extender)	+	Fuel Pump Relay below passenger dash
Rear Defroster	Red	+ Latched	BDC below passenger dash, black 42 pin plug (5B), pin 22
Mirror Defroster	(LIN Bus)		
Left Front Heated Seat	(LIN Bus)		
Right Front Heated Seat	(LIN Bus)		
Speed Sense	(wheel speed sensor)		
Brake Wire	Yellow	-	BDC below passenger dash, black 54 pin plug (3B), pin 22
Parking Brake	(electric parking brake)		
Horn Trigger	Violet/Blue	+	BDC below passenger dash, black 42 pin plug (2B), pin 2
Wipers	(LIN Bus)		
Left Front Window (Up/Down)	(not recommended because of factory auto up/down)		
Right Front Window (Up/Down)	(not recommended because of factory auto up/down)		
Sun Roof (Open/Close)	(not recommended because of factory auto open/close)		
Radio 12V	Red/Yellow	+	Radio under right rear seat, 40 pin plug, pin 15
Radio Ground	Black	-	Radio under right rear seat, 40 pin plug, pin 12
Radio Ignition	(K CAN)		
Factory Amp Turn-on	Black/White	+	Radio under right rear seat, 40 pin plug, pin 13
Left Front Speaker (+/-)	Black/Red - Black/Brown or Yellow/Red - Yellow/Brown	+,-	Radio under right rear seat, 40 pin plug, pins 3 - 7
Right Front Speaker (+/-)	Blue/Red - Blue/Brown or Violet/Red - Violet/Brown	+,-	Radio under right rear seat, 40 pin plug, pins 2 - 6
Left Rear Speaker (+/-)	Black/Red - Black/Brown (LF woofer) or White/Red - White/Brown (LR speaker)	+,-	Radio under right rear seat, 40 pin plug, pins 4 - 8
Right Rear Speaker (+/-)	Blue/Red - Blue/Brown (RF woofer) or Green/Red - Green/Brown (RR speaker)	+,-	Radio under right rear seat, 40 pin plug, pins 1 - 5
Left Front Speaker - With Amp	Black/Red - Black/Brown (woofer); Black/Red - Black/Brown (midrange/tweeter)	+,-	Amplifier behind center of rear seats, 42 pin plug, pins 4 - 3; 33 - 34
Right Front Speaker - With Amp	Blue/Red - Blue/Brown (woofer); Blue/Red - Blue/Brown (midrange/tweeter)	+,-	Amplifier behind center of rear seats, 42 pin plug, pins 23 - 22; 11 - 12
Left Rear Speaker - With Amp	White/Red - White/Brown	+,-	Amplifier behind center of rear seats, 42 pin plug, pins 31 - 32
Right Rear Speaker - With Amp	Gray/Red - Gray/Brown	+,-	Amplifier behind center of rear seats, 42 pin plug, pins 13 - 21
Center Channel - With Amp	Black/White - Black/Violet	+,-	Amplifier behind center of rear seats, 42 pin plug, pins 39 - 40

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Aux. Audio Input Left (+/-)	White/Red - Violet	+,-	Radio under right rear seat, 40 pin plug, pins 30 - 36
Aux. Audio Input Right (+/-)	White/Green - Violet	+,-	Radio under right rear seat, 40 pin plug, pins 35 - 36
Rearview Camera Video	White - (shield)	+,-	Radio under right rear seat, 40 pin plug, pins 24 - 23

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